

Photometrics Pro

Luminaire Photometric Report

- [Evaluation Version]

Filename: ITL61912-HTS8

Manufacturer: BARE DEVELOPMENT, INC.

Luminaire: FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED FINNED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 36 LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".

Luminaire Cat: HTS-8

Lamp: THIRTY-SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION. VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.

Lamp Output: 1 lamp(s), rated Lumens/lamp: 4456

Max Candela: 2,455.0 at Horizontal: 0°, Vertical: 0°

Input Wattage: 85.2

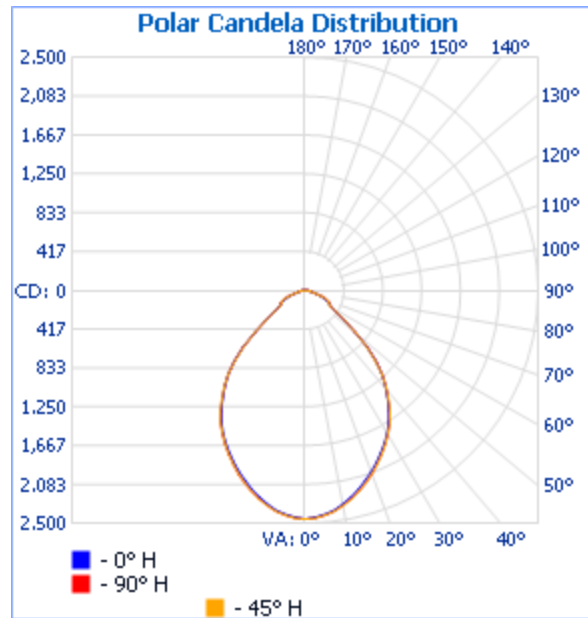
Luminous Opening: Rectangle (L: 0.6ft, W: 0.83ft)

Test: ITL61912

Test Lab: INDEPENDENT TESTING LABORATORIES, INC.

Photometry : Type C

CIE Class: Direct



Roadway Summary

Cutoff Classification:	FULL CUTOFF	
Distribution:	Type VS	
Max Cd, 90 Deg Vert:	0	
Max Cd, 80 to <90 Deg:	63.0	
	Lumens	% Lamp
Downward Street Side:	2,157.1	48.4%
Downward House Side:	2,157.1	48.4%
Downward Total:	4,314.3	96.8%
Upward Street Side:	0	0%
Upward House Side:	0	0%
Upward Total:	0	0%
Total Lumens:	4,314.3	96.8%

Zonal Lumen Summary

Zone	Lumens	% Lamp	% Luminaire
0-30	1,745.2	39.2%	40.5%
0-40	2,726.1	61.2%	63.2%
0-60	3,929.6	88.2%	91.1%
60-90	382.1	8.6%	8.9%
0-90	4,311.7	96.8%	100%
90-180	0	0%	0%
0-180	4,311.7	96.8%	100%

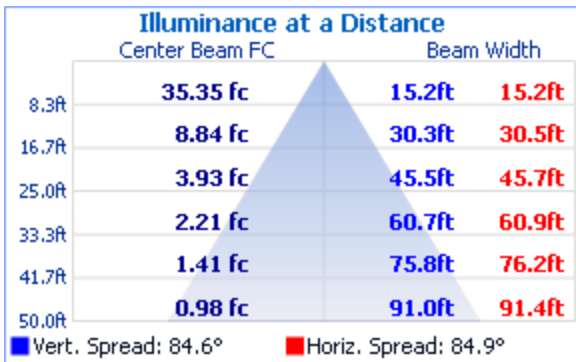
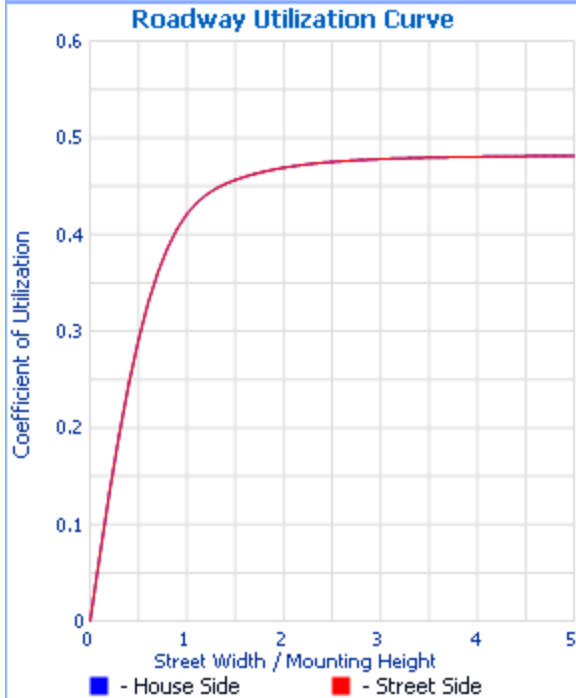
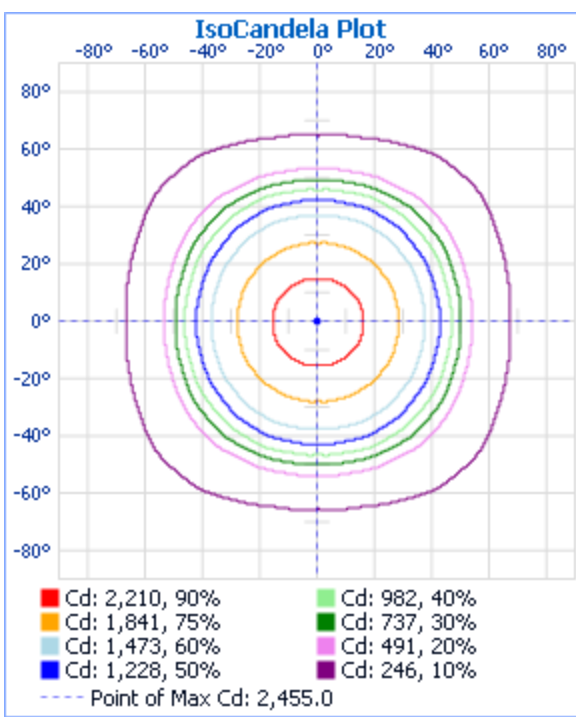
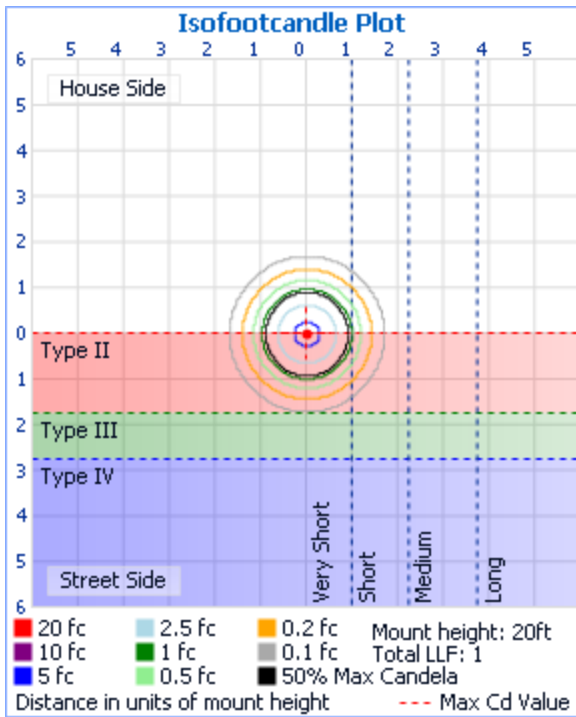
Efficiency Total: 96.8%

Flood Summary

	Efficiency	Lumens	Horizontal Spread	Vertical Spread
Field (10%):	92%	4,098.5	133.8	130.1
Beam (50%):	66%	2,939.6	84.9	84.6
Total:	96.7%	4,310.8		

Lumens Per Zone

Zone	Lumens	% Total	Zone	Lumens	% Total
0-10	228.6	5.3%	90-100	0	0%
10-20	625.9	14.5%	100-110	0	0%
20-30	890.7	20.7%	110-120	0	0%
30-40	980.9	22.7%	120-130	0	0%
40-50	808.1	18.7%	130-140	0	0%
50-60	395.5	9.2%	140-150	0	0%
60-70	251.2	5.8%	150-160	0	0%
70-80	99.2	2.3%	160-170	0	0%
80-90	31.8	0.7%	170-180	0	0%



Photometrics Pro - Evaluation Version

Photometrics Pro - Evaluation Version

Candela Table - Type C

	0	5	15	25	35	45	55	65	75	85	90	95	105	115	125	135	145	155	165	175	180
0	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5	245 5
2.5	2439	2445	2450	2451	2439	2448	2441	2450	2446	2445	2446	2445	2446	2450	2441	2448	2439	2451	2450	2445	2439
5	2415	2423	2423	2428	2415	2423	2419	2425	2423	2423	2423	2423	2423	2425	2419	2423	2415	2428	2423	2423	2415
7.5	2382	2388	2388	2395	2383	2393	2386	2395	2393	2393	2391	2393	2393	2395	2386	2393	2383	2395	2388	2388	2382
10	2330	2336	2337	2346	2332	2346	2341	2348	2346	2348	2343	2348	2346	2348	2341	2346	2332	2346	2337	2336	2330
12.5	2272	2284	2284	2289	2280	2296	2287	2301	2292	2294	2288	2294	2292	2301	2287	2296	2280	2289	2284	2284	2272
15	2210	2219	2214	2226	2217	2230	2223	2237	2233	2233	2230	2233	2233	2237	2223	2230	2217	2226	2214	2219	2210

17.5	2140	2154	2148	2158	2148	2164	2155	2171	2167	2167	2165	2167	2167	2171	2155	2164	2148	2158	2148	2154	2140
20	2073	2081	2079	2092	2079	2094	2085	2102	2098	2103	2097	2103	2098	2102	2085	2094	2079	2092	2079	2081	2073
22.5	1999	2007	2007	2017	2003	2018	2008	2030	2020	2023	2015	2023	2020	2030	2008	2018	2003	2017	2007	2007	1999
25	1923	1931	1929	1938	1927	1940	1931	1945	1943	1944	1940	1944	1943	1945	1931	1940	1927	1938	1929	1931	1923
27.5	1845	1854	1849	1856	1845	1860	1852	1867	1860	1867	1859	1867	1860	1867	1852	1860	1845	1856	1849	1854	1845
30	1764	1773	1770	1776	1761	1773	1766	1784	1779	1780	1776	1780	1779	1784	1766	1773	1761	1776	1770	1773	1764
32.5	1672	1682	1678	1686	1673	1688	1673	1688	1678	1690	1686	1690	1678	1688	1673	1688	1673	1686	1678	1682	1672
35	1570	1589	1574	1589	1577	1589	1567	1580	1574	1587	1575	1587	1574	1580	1567	1589	1577	1589	1574	1589	1570
37.5	1453	1469	1464	1475	1462	1467	1446	1459	1453	1466	1460	1466	1453	1459	1446	1467	1462	1475	1464	1469	1453
40	1341	1360	1349	1362	1346	1348	1324	1341	1337	1348	1344	1348	1337	1341	1324	1348	1346	1362	1349	1360	1341
42.5	1218	1238	1222	1235	1215	1218	1193	1215	1209	1229	1224	1229	1209	1215	1193	1218	1215	1235	1222	1238	1218
45	1071	1090	1072	1090	1058	1058	1049	1071	1058	1090	1079	1090	1058	1071	1049	1058	1058	1090	1072	1090	1071
47.5	897	920	900	918	877	893	870	904	886	924	907	924	886	904	870	893	877	918	900	920	897
50	701	732	707	719	680	705	686	712	698	721	696	721	698	712	686	705	680	719	707	732	701
52.5	537	566	535	551	517	542	523	540	539	558	539	558	539	540	523	542	517	551	535	566	537
55	410	424	410	415	393	408	394	410	401	420	406	420	401	410	394	408	393	415	410	424	410
57.5	337	344	336	335	321	326	324	331	326	335	329	335	326	331	324	326	321	335	336	344	337
60	299	305	304	302	294	295	295	299	301	305	304	305	301	299	295	295	294	302	304	305	299
62.5	283	286	281	285	283	285	286	288	290	295	293	295	290	288	286	285	283	285	281	286	283
65	246	256	253	257	263	267	266	272	270	277	274	277	270	272	266	267	263	257	253	256	246
67.5	209	217	209	215	217	234	230	240	234	243	236	243	234	240	230	234	217	215	209	217	209
70	163	174	165	167	161	181	181	191	186	197	188	197	186	191	181	181	161	167	165	174	163
72.5	118	127	116	120	113	125	129	139	127	138	125	138	127	139	129	125	113	120	116	127	118
75	79	86	79	82	75	83	80	90	86	90	82	90	86	90	80	83	75	82	79	86	79
77.5	54	59	55	55	54	56	52	61	61	61	57	61	61	61	52	56	54	55	55	59	54
80	44	47	48	44	44	44	41	50	50	50	44	50	50	50	41	44	44	44	48	47	44
82.5	56	56	56	55	50	54	50	56	63	63	57	63	63	56	50	54	50	55	56	56	56
85	31	32	28	32	28	34	29	34	32	40	32	40	32	34	29	34	28	32	28	32	31
87.5	5	7	4	7	4	7	7	8	5	8	7	8	5	8	7	7	4	7	4	7	5
90	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Photometrics Pro - Evaluation Version

Luminaire Report Summary

IESNA:LM-63-2002
 [ISSUEDATE] 01/11/10
 [TEST] ITL61912
 [TESTLAB] INDEPENDENT TESTING LABORATORIES, INC.
 [MANUFAC] BARE DEVELOPMENT, INC.
 [LUMCAT] HTS-8
 [LUMINAIRE] FABRICATED WHITE PAINTED METAL MOUNTING PLATE, EXTRUDED
 [MORE] FINNED METAL HEAT SINK, ONE WHITE CIRCUIT BOARD WITH 36

[MORE]LEDS, OPEN SIDES. CIRCUIT BOARD STOOD-OFF OF LENS 1/4".
[LAMP]THIRTY-SIX WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL
[MORE]BASE-UP POSITION.
[_LEDDRIVER]HIGH PERFECTION TECH LP1090-24-GG-299
[_NOTE]DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT
[MORE]VOLTAGE (120VAC, 60Hz) TO THE LED DRIVER.
[OTHER]TOTAL INPUT WATTS = 85.2 AT 120.0 VOLTS
[OTHER]TEST PROCEDURE: IESNA LM-79-08
[OTHER]TEST DISTANCE = 33.25 FEET
FILE: CANDELA MULTIPLIER: 1
FILE: VERTICAL ANGLES: 37, HORIZONTAL ANGLES: 21
FILE: COORDINATE SYSTEM: TYPE C
FILE: UNIT OF MEASURE: STANDARD
FILE: BALLAST FACTOR: 1

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Reported data calculated from manufacturer's data file, based on IES recommended methods.